

## ABSTRACT

An electronic traction vehicle comprising a principal power unit, a power storage unit mounted on a vehicle platform. A plurality of wheels are rotably mounted on the vehicle platform with an electric motor coupled to at least one wheel. A drive controller is coupled to the electric motor and a vehicle controller having an input and output terminal is coupled to the drive controller. A data bus network is coupled to the drive controller and the vehicle controller. An A/C bus assembly is coupled to the principal power unit, the power storage unit and the electric motor through the drive controller. Another embodiment of the electronic traction vehicle provides at least four electric motors and four drive controllers coupled to four wheels and the data bus network and A/C power bus assembly. Another embodiment of the electronic traction vehicle provides the components of the vehicle as moduled including an auxiliary module removably connected to the data bus network and the A/C bus assembly.